

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) An air conditioner (~~10, 110, 210, 220~~) that processes a latent heat load and a sensible heat load by using a vapor compression refrigeration cycle with a compressor (~~7, 101, 221~~), the air conditioner comprising:
 - a heat exchanger (~~3, 5, 105, 213, 214, 224~~);
 - an absorbing agent that performs an absorbing operation for absorbing moisture in passing air ~~whose heat has been absorbed by~~ flowing through the heat exchanger functioning as an evaporator and a regenerating operation for desorbing moisture from passing air heated by the heat exchanger functioning as a condenser; and
 - a controller (~~2~~) ~~that performs control such that~~ configured to switch the absorbing operation and the regenerating operation ~~by the absorbing agent are switched~~ at a predetermined switching time interval,
 - ~~wherein the controller performs~~ being configured to control ~~of the~~ a capacity of the compressor and being configured to control ~~for changing the~~ predetermined switching time interval such that a predetermined load out of a total heat load, which is the sum of the latent heat load and the sensible heat load, ~~the latent heat load, and the sensible heat load~~ is preferentially processed.
2. (Currently Amended) The air conditioner of claim 1, further comprising an input unit (~~2a~~) that allows a user to select the predetermined load.

3. (Currently Amended) The air conditioner of claim 1, wherein
the controller ~~determines~~ is configured to determine a first difference that is a difference between the current capability to process the total heat load and the size of the total heat load, a second difference that is a difference between the current capability to process the latent heat load and the size of the latent heat load, and a third difference that is a difference between the current capability to process the sensible heat load and the size of the sensible heat load, and ~~decides~~ to determine the predetermined load on the basis of the first, second, and third differences.

4. (Currently Amended) The air conditioner of ~~any of claims~~ claim 1 to 3,
wherein
the controller ~~prioritizes~~ is configured to prioritize changing the a throughput of the latent heat load by controlling the capacity of the compressor over changing the a throughput of the latent heat load by ~~control for~~ controlling the changing of the predetermined switching time interval when the predetermined load is the latent heat load.

5. (Currently Amended) The air conditioner of ~~any of claims~~ claim 1 to 3,
wherein
the controller ~~prioritizes~~ is configured to prioritize changing the a throughput of the latent heat load by ~~control for~~ controlling the changing of the predetermined switching time interval over changing the a throughput of the latent heat load by controlling the capacity of the compressor when the predetermined load is the latent heat load.

6. (Currently Amended) The air conditioner of ~~any of claims claim 1 to 3~~,
wherein
the controller ~~prioritizes~~ is configured to prioritize changing the ~~a~~ throughput of the
sensible heat load by controlling the capacity of the compressor over changing the ~~a~~
throughput of the sensible heat load by ~~control for~~ controlling the changing of the
predetermined switching time interval when the predetermined load is the sensible heat load.

7. (Currently Amended) The air conditioner of ~~any of claims claim 1 to 3~~,
wherein
the controller ~~prioritizes~~ is configured to prioritize changing the ~~a~~ throughput of the
sensible heat load by ~~control for~~ controlling the changing of the predetermined switching
time interval over changing the ~~a~~ throughput of the sensible heat load by controlling the
capacity of the compressor when the predetermined load is the sensible heat load.

8. (Currently Amended) The air conditioner of ~~any of claims claim 1 to 3~~,
wherein
the controller first performs control of the capacity of the compressor when the
predetermined load is the total heat load.

9. (Currently Amended) The air conditioner of ~~any of claims claim 1 to 3~~,
wherein
the controller first fixes the ~~a~~ ratio of the throughput of the latent heat load to the
throughput of the sensible heat load by controlling the predetermined switching time interval

and thereafter performs control of the capacity of the compressor when the predetermined load is the total heat load.

10. (Currently Amended) The air conditioner (10, 210) of ~~any of claims~~ claim 1 to 9, wherein

~~the air conditioner includes, as the heat exchanger~~[[,]] includes a first absorptive heat exchanger (3, 213) and a second absorptive heat exchanger, (5, 214) ~~on whose surfaces the~~ absorbing agent is disposed on a surface of each of the first and second absorptive heat exchangers, and

the controller switches between a first state where the air conditioner supplies[[,]] to the room[[,]] air that has been dehumidified or humidified by the absorbing operation or the regenerating operation by the absorbing agent of the first absorptive heat exchanger and a second state where the air conditioner supplies[[,]] to the room[[,]] air that has been dehumidified or humidified by the absorbing operation or the regenerating operation by the absorbing agent of the second absorptive heat exchanger.

11. (Currently Amended) The air conditioner (210) of ~~any of claims~~ claim 1 to 10, wherein

~~the air conditioner includes the heat exchanger as~~ includes a utilization heat exchanger (213, 214) and ~~further comprises~~ a heat source heat exchanger (211).

12. (Currently Amended) The air conditioner of ~~any of claims~~ claim 1 to 11, wherein

the controller performs the control of the capacity of the compressor and the control for changing the switching time interval on the basis of at least ~~any~~ one of the temperature of the evaporator, the pressure of the evaporator, the temperature of the condenser, and the pressure of the condenser.

13. (Currently Amended) A method of controlling an air conditioner (~~10, 110, 210, 220~~) that processes comprising:

processing a latent heat load and a sensible heat load in a room by using a vapor compression refrigeration cycle with a compressor (~~7, 101, 221~~) and a heat exchanger; (~~3, 5, 105, 213, 214, 224~~) and using

utilizing an absorbing agent that performs an absorbing operation for absorbing moisture in passing air ~~whose heat has been absorbed by~~ flowing through the heat exchanger functioning as an evaporator and a regenerating operation for desorbing moisture from passing air heated by the heat exchanger functioning as a condenser[[,]]; ~~the method comprising:~~

performing control such that the absorbing operation and the regenerating operation ~~by the absorbing agent~~ are switched at a predetermined switching time interval; and

~~performing control of the~~ controlling a capacity of the compressor and ~~control for~~ controlling changing the predetermined switching time interval such that a predetermined load out of a total heat load, which is the sum of the latent heat load and the sensible heat load, ~~the latent heat load, and the sensible heat load~~ is preferentially processed.

14. (Currently Amended) An air conditioner (~~10, 110, 210, 220~~) that processes a latent heat load and a sensible heat load in a room by using a vapor compression refrigeration cycle with a compressor (~~7, 101, 221~~), the air conditioner comprising:

a heat exchanger (~~3, 5, 105, 213, 214, 224~~);

an absorbing agent that performs an absorbing operation for absorbing moisture in passing air ~~whose heat has been absorbed by~~ flowing through the heat exchanger functioning as an evaporator and a regenerating operation for desorbing moisture from passing air heated by the heat exchanger functioning as a condenser; and

a controller (~~2~~) ~~that performs control such that~~ configured to switch the absorbing operation and the regenerating operation ~~by the absorbing agent are switched~~ at a predetermined switching time interval,

~~wherein~~ the controller (~~2~~) ~~performs~~ being configured to control ~~of the~~ a capacity of the compressor (~~7, 101, 221~~) and/or being configured to control ~~for changing~~ the predetermined switching time interval based ~~on the basis of~~ at least ~~any one of the~~ a temperature of the evaporator, ~~the~~ a pressure of the evaporator, ~~the~~ a temperature of the condenser, and ~~the~~ a pressure of the condenser.

15. (Currently Amended) The air conditioner (~~10, 210, 220~~) of claim 14, wherein the heat exchanger (~~3, 5, 213, 214, 224~~) ~~is~~ includes an absorptive heat exchanger that carries the absorbing agent on ~~its~~ a surface of the absorptive heat exchanger.

16. (Currently Amended) The air conditioner (~~210, 220~~) of claim 14 ~~or 15~~, wherein

~~the air conditioner includes~~ the heat exchanger (213, 214, 224) as includes a utilization heat exchanger and ~~further comprises~~ a heat source heat exchanger (211, 222).

17. (Currently Amended) The air conditioner (10, 110, 210, 220) of ~~any of claims~~ claim 14 ~~to 16~~, wherein

the controller (2) ~~performs the~~ is configured to control ~~of~~ the capacity of the compressor and/or ~~the control for changing the~~ predetermined switching time interval ~~also~~ further based on ~~the basis of the~~ humidity of ~~the~~ air in the room.

18. (Currently Amended) The air conditioner of ~~any of claims~~ claim 14 ~~to 17~~, wherein

the controller (2) ~~performs the~~ is configured to control ~~of~~ the capacity of the compressor and/or ~~the control for changing the~~ predetermined switching time interval ~~also~~ further based on ~~the basis of the~~ humidity of the air flowing into the room from the heat exchanger. (10, 110, 210, 220)

19. (Currently Amended) The air conditioner (10, 110, 210, 220) of ~~any of claims~~ claim 14 ~~to 18~~, wherein

the controller (2) ~~performs the~~ control ~~of~~ the capacity of the compressor and/or ~~the control for changing the~~ predetermined switching time interval ~~also~~ further based on ~~the basis of the~~ temperature of the air flowing into the room from the heat exchanger.

20. (Currently Amended) A method of controlling an air conditioner (~~10, 110, 210, 220~~) that processes comprising:

processing a latent heat load and a sensible heat load in a room by using a vapor compression refrigeration cycle with a compressor (~~7, 101, 221~~) and a heat exchanger; (~~3, 5, 105, 213, 214, 224~~) and using

utilizing an absorbing agent that can perform an absorbing operation for absorbing moisture in passing air ~~whose heat has been absorbed by~~ flowing through the heat exchanger functioning as an evaporator and a regenerating operation for desorbing moisture from passing air heated by the heat exchanger functioning as a condenser[~~[],~~]; ~~the method comprising:~~

performing control to switch the absorbing operation and the regenerating operation ~~by the absorbing agent~~ at a predetermined switching time interval; and

~~performing control of the~~ controlling a capacity of the compressor and/or ~~control for~~ changing controlling the predetermined switching time interval based on ~~the basis of any~~ at least one of ~~the~~ a temperature of the evaporator, ~~the~~ a pressure of the evaporator, ~~the~~ a temperature of the condenser, and ~~the~~ a pressure of the condenser.